

Acronyms

A2LA	American Association for Laboratory Accreditation
ADG	Ancillary Diesel Generator
ACES	Automated Coastal Engineering System
A/E	Architect/Engineer
ADB	Ancillary Diesel Building
AHS	Auxillary Heat Sink
ALARA	as low as reasonably achievable
AMC	Annual Maintenance Cost
ANFO	ammonium nitrate fuel oil
ANS	American Nuclear Society
ANSI	American National Standards Institute
ANSS	Advanced National Seismic System
AOC	Annual Operating Cost
AOOs	Anticipated Operational Occurrences
AOV	Air-Operated Valve
API	American Petroleum Institute
AQCR	Air Quality Control Region
ARD	Automatic Ringdown Circuits
ASCE	American Society of Civil Engineers
ASHRAE	American Society Heating, Refrigerating, and Air-Conditioning
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
ATWS	anticipated transients without scram
BEC	Bechtel
BOP	Balance of Plant
bpf	blows per foot
BPT	Brownian Passage Time
BR	breathing rates

Acronyms

BTP	Branch Technical Position
BWR	Boiling Water Reactor
CAS	Central Alarm Station
CAV	Cumulative Absolute Velocity
CB	Control Building
CEM	U.S. Army Corps of Engineers Coastal Engineering Manual
CEUS	central and eastern United States
CFR	Code of Federal Regulations
cfs	cubic feet per second.
CGB	Central Gneiss Belt
CGL	Commerce Geophysical Lineament
CGT	Central Granulite Terrane
CIRC	Circulating Water System
CMB	Central Metasedimentary Belt
CMBBZ	Central Metasedimentary Belt Boundary Zone
CMT	Centroid Moment Tensor
CN	Curve Number
CNO	chief nuclear officer
COCORP	Consortium for Continental Reflection Profiling
COL	Combined License
COLA	COL Application
COOP	NWS Cooperative Observation Program
CPO	Central Plains Orogeny
CPT	cone penetrometer tests
CRF	Capital Recovery Factor
CRHA	Control Room Habitability Area
CRHAVS	Control Room Habitability Area HVAC Subsystem
CS&TS	Condensate Storage and Transfer System

Acronyms

CSDRS	Certified Seismic Design Response Spectra
CST	Condensate Storage Tank
D	Disturbance factor
DAM	Dames & Moore
DAR	Drainage Area Ratio
DBA	design basis accident
DBT	Design-Basis Tornado
DC	Design Certification
DCD	Design Control Document
DCEM	Direct Cost of Equipment and Materials
DE	Deaggregation Earthquakes
DEM	digital elevation model
DFO	Canada Department of Fisheries and Oceans
DLC	Direct Labor Cost
D-RAP	design reliability assurance program
DRIWR	Detroit River International Wildlife Refuge
DTM	Digital Terrain Model
DTPG	Defined Test Plan Groups
EAB	Exclusion Area Boundary
EB	Electrical Building
ECL	Effect Concentration Low
ECRB	East Continent Rift Basin
ECRS	East Continent Rift System
ECGA	East Continent Gravity Basin
EFU	Emergency Filter Unit
EGC	Exelon Generation Company, LLC
EHC	Electro-Hydraulic Control
EIS	Environmental Impact Statement

Acronyms

ENC	Electronic Navigational Charts
ENS	Emergency Notification System
EOF	Emergency Operations Facility
EOP	Emergency Operating Procedures
EPA	Environmental Protection Agency
EPC	Engineer, Procure, and Construct
EPRI	Electric Power Research Institute
EPZ	Emergency Planning Zone
EQ	Environmental Qualification
EQD	Equipment Qualification Document
EQMEL	Environmental Program Master Equipment
ERDS	Emergency Response Data Systems
ESF	Engineered Safety Feature
ESP	Early Site Permit
ESRI	Environmental Systems Research Institute
EST	Earth Science Team
ETE	Evacuation Time Estimate
ETR	energy transfer ratio
EWP	Extreme Winter Precipitation
FEM	Finite Element Model
FES	Final Environmental Statements
FFD	Fitness for Duty
FHA	Fire Hazards Analysis
FIRS	foundation input response spectra
FMG	Failure Mode Groups
FOAK	First of a Kind
FPS	Fire Protection System
fps	feet per second
FPS	Fire Protection System

Acronyms

FS	factor of safety
FWSC	Fire Water Service Complex
GE	General Electric
GEH	GE-Hitachi Nuclear Energy Americas, LLC
GFTZ	Grenville Front tectonic zone
GIA	Glacial Isostatic Adjustment
GLERL	NOAA Great Lakes Environmental Research Laboratory
GLIMPCE	Great lakes International Multidisciplinary Program On Crustal Evolution
GLIN	Great Lakes Information Network
GMRS	ground motion response spectra
GP	Poorly Graded (gravel)
gpd	gallons per day
gpm	gallons per minute
GPS	Global Positioning System
GSI	Geological Strength Index
GTG	Generic Technical Guidelines
GW	gigawatts
GW	Well Graded (gravel)
GW-GM	Well Graded (gravel) with slit
GWG	generic writer's guide
HAZ	Heat Affecting Zone
HCLPF	High Confidence Low Probability of Failure
HEPA	High Efficiency Particular Air
HF	High-Frequency
HFE	Human Factors Engineering
HMR	Hydro-Meteorological Report
HMS	Hot Machine Shop
HP	high-pressure

Acronyms

HPM	Human Performance Monitoring
HSI	Human System Interface
H:V	Horizontal: Vertical
HWCS	Hydrogen Water Chemistry System
IC	Isolated Condenser
I&C	instrumentation and control
ICF	Indirect Cost Factor
IC/PCC	Isolation Condenser/Passive Containment Cooling
ICRP	International Commission on Radiation Protection
IE	NRC Inspection and Enforcement
IEEE	Institute of Electrical and Electronics Engineers
IGLD	international great lakes datum
ILAC	International Laboratory Accreditation Cooperation
IV	independent verification
MRA	Mutual Recognition Arrangement
ISFSI	Independent Spent Fuel Storage Installation
IRB	Independent Review Body
ISG	Interim Staff Guidance
ISI	inservice inspection
IST	inservice testing
ITAAC	Inspections, Tests, Analyses, and Acceptance Criteria
ITP	Initial Test Program
JIT	Just-In-Time
JPM	job performance measures
JTG	Joint Test Group
ksf	kips per square foot
ksi	kips per square inch
LCCF	Labor Cost Correction Factor

Acronyms

LCD	Local Climatological Data
LCO	limiting conditions for operation
LF	Low-Frequency
LFL	lower flammability limit
LOPP	Loss of Preferred Power
LP	low-pressure
LPZ	Low Population Zone
LWA	Limited Work Authorization
LWMS	Liquid Waste Management System
M&TE	measuring and test equipment
MCGA	Midcontinent Gravity High
MCR	main control room
MCWB	Mean Coincident Wet-Bulb
MDCT	mechanical draft cooling tower
MDEQ	Michigan Department of Environmental Quality
MDNR	Michigan Department of Natural Resources
MEI	maximally exposed individual
MEP	Major Enterprise Projects
MI	Material Index
MMGH	Mid-Michigan Gravity High
MMI	Modified Mercalli Intensity
MOV	Motor Operated Valve
mph	miles per hour
MR	Maintenance Rule
MRA	Mutual Recognition Arrangement
MRCC	Midwestern Regional Climate Center
MRS	Midcontinent rift System
MSIV	Main Steam Isolation Valve

Acronyms

msl	mean sea level
MSLB	Main Steam Line Break
MWe	megawatts electric
MWS	Makeup Water System
NACE	National Association of Corrosion Engineers
NAVD	North American Vertical Datum
NCDC	National Climatic Data Center
NCEER	National Center for Earthquake Engineering Research
NDCT	natural draft cooling tower
NDE	nondestructive examination
NEI	Nuclear Energy Institute
NEPA	National Environmental Policy Act
NESC	National Electrical Safety Code
NFPA	National Fire Protection Association
NGA	Next Generation Attenuation
NGDC	National Geophysical Data Center
NIRMA	Nuclear Information and Records Management Association, Inc.
NLO	Non-Licensed Operator
NMSZ	New Madrid seismic zone
NN	New Madrid North
NOAA	National Oceanic and Atmospheric Administration
NPHS	normal plant heat sink
NRC	U.S. Nuclear Regulatory Commission
NRCS	Natural Resources Conservation Service
NS	New Madrid South
NSSS	Nuclear Steam Supply System
NTSB	National Transportation Safety Board
NUPIC	Nuclear Procurement Issues Committee

Acronyms

NVLAP	National Voluntary Laboratory Accreditation Program
NWP	Normal Winter Precipitation
NWS	National Weather Service
OATC	Operator-At-The Controls
OBE	Operating Basis Earthquake
ODCM	Offsite Dose Calculation Manual
OGS	Offgas System
OHLHS	Overhead Heavy Load Handling Systems
OJT	on-the-job training
OSC	Operational Support Center
OSHA	Occupational Safety and Health Act
OSRO	Onsite Safety Review Organization
OTV	Optical Televiewer
PCCS	Passive Containment Cooling System
pcf	pounds per cubic foot
PCP	Process Control Program
PCTMS	Plant Cooling Tower Makeup System
PEER	Pacific Earthquake Engineering Research
PGA	Peak Ground Acceleration
PGP	procedures generation package
PIP	Plant Investment Protection
PMF	probable maximum flood
PMP	probable maximum precipitation
PMWP	probable maximum winter precipitation
PMWS	Probable Maximum Windstorm
PORC	Plant Operations Review Committee
ppm	parts per million
PSHA	probabilistic seismic hazard analysis

Acronyms

PSI	Pre-Service Inspections	I
PSI	Professional service Industries	
PSRC	Plant Safety Review Committee	
PST	Preservice Test	
P-STGs	Plant-Specific Technical Guidelines	
P-SWG	Plant-Specific Writer's Guide	
PSWS	Plant Service Water System	
PWS	Potable Water System	
PWSS	Pretreated Water Supply System	
QA	quality assurance	
QAP	Quality Assurance Program	
QAPD	Quality Assurance Program Description	
QC	quality control	
RAP	Reliability Assurance Program	
RASA	USGS Regional Aquifer-System Analysis	
RAT	reserve auxiliary transformers	
RB	Reactor Building	
RB/FB	Reactor Building/Fuel Building	
RC	Resonant Column	
RCCWS	Reactor Component Cooling Water System	
RCPB	Reactor Coolant Pressure Boundary	I
RCS	reactor coolant system	
RCTS	resonant column torsional shear	
RE	Reference Earthquake	
REMP	Radiological Effluent Monitoring Program	I
RERP	Radiological Emergency Response Preparedness	
RF	Reelfoot fault	
RG	Regulatory Guide	

Acronyms

RHR	Residual Heat Removal
RND	Roundout
RO	reactor operator
RO	reverse osmosis
RP	radiation protection
RPT	radiation protection technician
RPV	Reactor Pressure Vessel
RQD	Rock Quality Designation
RT	Radiographic Techniques
RTNSS	Regulatory Treatment of Non-Safety Systems
RW	Radwaste Building
RWCU	Reactor Water Cleanup
RWGAVS	Radwaste General Area HVAC Subsystem
SAM	Startup Administrative Manual
SARA	Superfund Amendments and Reauthorization Act
SASW	spectra analysis of surface waves
SBO	station blackout
scfm	standard cubic feet per minute
scfw	standard cubic feet per week
SCG	Startup Controlling Group
SCS	Soil Conservation Service
SDG	Standby Diesel Generator
SDWIS	Safe Drinking Water Information System
SEI	Structural Engineering Institute
SEMCOG	Southeast Michigan Council of Governments
SHEEF	Seismic Hazard Earthquake Epicenter File
SLU	Saint Louis University
SM	Shift Manager

Acronyms

SOG	Seismic Owners Group
SPT	standard penetration test
SQD	Specimen Quality Designation
SRO	Senior Reactor Operator
SRP	Standard Review Plan
SS	site-specific
SSA	Sole Source Aquifer
SSAR	Standard Safety Analysis Report
SSCs	structures, systems, and components
SSE	Safe Shutdown Earthquake
SSHAC	Senior Seismic Hazard Analysis Committee
STA	Shift Technical Advisor
SUNSI	sensitive unclassified non-safeguards information
SV	simultaneous verification
SWDS	Sanitary Waste Discharge System
SWS	Station Water System
SWST	station water storage tank
TAB	Technical Advisory Board
TAC	Total Annual Cost
TB	Turbine Building
Tc	Time of concentration
TCCWS	Turbine Component Cooling Water System
TG	Technical Guide
TI	Technical Integrator
TLD	Thermoluminescent Dosimeters
TR	Technical Release
TS	Torsional Shear
TSC	Technical Support Center

Acronyms

UAT	unit auxiliary transformer
UC	Unconfined Compression
UFL	upper flammability limit
UFSAR	Updated Final Safety Analysis Report
UHRs	uniform hazard response spectra
UHS	ultimate heat sink
USCS	Unified Soil Classification System
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UT	Ultrasonic Techniques
UTM	Universal Transverse Mercator
UU	Unconfined-Undrained triaxial compression
V&V	verification and validation
V_p	compression wave velocity
V_s	shear wave velocity
WCC	Woodward-Clyde Consultants
WGC	Weston Geophysical
WUS	Western United States
WVSZ	Wabash Valley seismic zone

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